

Harvest time varies according to the local climatic conditions. Enola takes approximately 100 to 105 days from planting to harvest in Colorado.

At maturity, the plants are knifed and put into a windrow and allowed to dry. Drying takes approximately 5 to 8 days. Once dried, the plants are combined using a conventional combine.

#### Deposit of Enola

Seeds of Enola have been deposited with the American Type Culture Collection, 12301 Parklawn Drive, Rockville, Md. 20852. The deposit was made on Dec. 11, 1997 and received accession number ATCC 209549. This deposit was made in compliance with the Budapest Treaty requirements that the duration of the deposit should be for thirty (30) years from the date of deposit or for five (5) years after the last request for the deposit at the depository or for the enforceable life of a U.S. Patent that matures from this application, whichever is longer. Seeds of Enola will be replenished should it become non-viable at the depository.

Although the foregoing invention has been described in some detail by way of illustration and example for purposes of clarity and understanding, it will be obvious that certain changes and modifications may be practiced within the scope of the invention, as limited only by the scope of the appended claims.

What is claimed is:

1. A *Phaseolus vulgaris* field bean seed designated Enola as deposited with the American Type Culture Collection under accession number 209549.
2. A field bean plant produced by growing the seed of claim 1.
3. Pollen of the plant of claim 2.
4. A field bean plant having all the physiological and morphological characteristics of the field bean plant of claim 2.
5. A method of producing a field bean plant comprising crossing a first parent field bean plant with a second parent field bean plant, wherein the first field bean plant is the field bean plant of claim 2.
6. A method of producing a field bean plant comprising crossing a first parent field bean plant with a second parent field bean plant, wherein the second field bean plant is the field bean plant of claim 2.
7. A method of producing a field bean plant comprising crossing a first parent field bean plant with a second parent field bean plant, wherein the first and second field bean plant is the field bean plant of claim 2.
8. A field bean variety of *Phaseolus vulgaris* that produces seed having a seed coat that is yellow in color, wherein the yellow color is from about 7.5 Y 8.5/4 to about 7.5 Y 8.5/6 in the *Munsell Book of Color* when viewed in natural light.
9. The *Phaseolus vulgaris* of claim 8 wherein the seed further comprises a hilar ring.
10. The *Phaseolus vulgaris* of claim 9 wherein the hilar ring has a color of from about 2.5 Y 9/4 to about 2.5 Y 9/6 in the *Munsell Book of Color* when viewed in natural light.
11. Propagation material of the *Phaseolus vulgaris* of claim 8.
12. Pollen of the *Phaseolus vulgaris* of claim 8.
13. Seed from a field bean variety of *Phaseolus vulgaris* that is completely yellow in color, wherein the yellow color is from about 7.5 Y 8.5/4 to about 7.5 Y 8.5/6 in the *Munsell Book of Color*.
14. Seed of claim 13 further comprising a hilar ring.
15. Seed of claim 14 wherein the color of the hilar ring is from about 2.5 Y 9/4 to about 2.5 Y 9/6 in the *Munsell Book of Color* when viewed in natural light.

FOI b7c b7d b7e b7f b7g b7h b7i b7j b7k b7l b7m b7n b7o b7p b7q b7r b7s b7t b7u b7v b7w b7x b7y b7z

16. A *Phaseolus vulgaris* field bean plant, said plant comprising a woodlike stalk and a plurality of wrinkled, dull, ovate-shaped leaves.

17. The plant of claim 16, wherein said plant comprises a plurality of white flowers.

18. The plant of claim 16, wherein at least one of said flowers comprises a plurality of white wings.

19. The plant of claim 16, wherein at least one of said flowers comprises a white keel.

20. The plant of claim 16, wherein said plant comprises a plurality of pods whose positions on said plant are scattered.

21. The plant of claim 16, wherein said plant comprises a plurality of flowers and pods, said stalk, leaves, flowers and pods being free from anthocyanin pigmentation.

22. The plant of claim 16 wherein the apex of said leaves are acuminate and the base of said leaves is obtuse.

23. The plant of claim 22, wherein the average height of said plant when mature is about 34.9 cm.

24. The plant of claim 22, wherein said plant has lodging resistance through maturity and withstands wind and other climatic conditions.

25. The plant of claim 22, wherein said plant establishes a long deep-growing wood-like taproot, a plurality of wood-like lateral roots, and a plurality of wood-like feeder roots.

26. The plant of claim 25, wherein said taproot is larger than at least one of said lateral roots, and at least one of said lateral roots is larger than said feeder roots.

27. The plant of claim 25, wherein said taproot averages 1.0 cm +/- in caliper size.

28. A pod of a *Phaseolus vulgaris* field bean plant having, at onset, a solid green color pattern, wherein said color is about 5 GY 6/6 in the *Munsell Book of Color* when viewed in natural light.

29. The pod of claim 28, wherein said pod has a pear-shaped cross section.

30. The pod of claim 29, wherein the curvature of said pod is straight and the orientation of the beak of said pod is straight.

31. The pod of claim 30, wherein said pod has slight constrictions.

32. A pod of a *Phaseolus vulgaris* field bean plant having, at maturity, a solid tan color pattern, wherein said color is about 5 Y 8.5/6 in the *Munsell Book of Color* when viewed in natural light.

33. The pod of claim 32, wherein said pod has a pear-shaped cross section.

34. The pod of claim 32, wherein said pod is slightly curved and the orientation of the beak of said pod is variable

35. The pod of claim 32, wherein said pod has slight constrictions

36. The pod of claim 32, wherein the average beak length of said pod is 1.2 cm.

37. The pod of claim 32, wherein said pod comprises seeds and the number of said seeds per pod is approximately 3.1.

38. A *Phaseolus vulgaris* field bean plant, said plant comprising a woodlike stalk, at least one pod, and a plurality of wrinkled, dull, ovate-shaped leaves.

39. The plant of claim 38, wherein said pod has, at onset, a solid green color pattern, wherein said color is about 5 GY 6/6 in the *Munsell Book of Color* when viewed in natural light.

40. The plant of claim 39, wherein said pod has a pear-shaped cross section.

41. The plant of claim 40, wherein said pod is straight and the orientation of the beak of said pod is straight.

42. The plant of claim 41, wherein said pod has slight constrictions.

43. The plant of claim 38, wherein said pod has, at maturity, a solid tan color pattern, wherein said color is about 5 Y 8.5/6 in the *Munsell Book of Color* when viewed in natural light.

44. The plant of claim 43, wherein said pod has a pear-shaped cross section.

45. The plant of claim 43, wherein said pod is slightly curved and the orientation of the beak of said pod is variable

46. The plant of claim 43, wherein said pod has slight constrictions

47. The plant of claim 43, wherein the average beak length of said pod is 1.2 cm.

48. The plant of claim 43, wherein said pod comprises seeds and the number of said seeds per pod is approximately 3.1.

49. A method of harvesting a *Phaseolus vulgaris* field bean plant, said method comprising the following steps:

- a. knifing the plant,
- b. placing the plant into a windrow,
- c. allowing the plant to dry.

50. The method of claim 49 wherein said drying step is continued for approximately 5 to 8 days.

51. A seed from a field bean variety of *Phaseolis vulgaris* comprising a seed coat and a hilar ring wherein the seed coat color is from about 7.5 Y 8.5/4 to about 7.5 Y 8.5/6 in the *Munsell Book of Color* when viewed in natural light.

52. The seed of claim 51 wherein the hilar ring color is from about 2.5 Y 9/4 to about 2.5 Y 9/6 in the *Munsell Book of Color* when viewed in natural light.

53. A seed from a field bean variety of *Phaseolis vulgaris* comprising a seed coat and a hilar ring wherein the hilar ring color is from about 2.5 Y 9/4 to about 2.5 Y 9/6 in the *Munsell Book of Color* when viewed in natural light.

54. The seed of claim 51, wherein said seed, when eaten, has a smooth texture and pleasing taste.

55. The seed of claim 51, wherein said seed is able to take on a large volume of water when soaked prior to cooking.

56. The seed of claim 51, wherein germination occurs in an environment free of light.

57. The seed of claim 51, wherein said seed is grown in a pod and the shape of said seed taken from the middle of said pod is cuboid.

58. The seed of claim 51, wherein the dry seed weight is about 43 grams per 100 seeds (adjusted to 12 percent moisture).

TOP SECRET